ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Permits Section

NOI Supplement for Type 3.03 General Aquifer Protection Permit for Vehicle and Equipment Washes [A.A.C. R18-9-D303]

This General Permit allows for discharges of wastewater generated from washing vehicles and equipment. It does not allow discharges of sanitary sewage, vehicle lubricating oils, antifreeze, gasoline, paints, varnishes, solvents, pesticides or fertilizers or discharges from washing the interior of vessels used to transport fuel products or chemicals, or the washing of equipment contaminated with fuel products or chemicals. If the proposed discharge, design or operations do not conform to the rule, the owner or operator must obtain an individual APP.

Note: Please ensure that the narrative, design drawings, and any supplemental information provided is comprehensive and adequate to demonstrate conformance with A.A.C. R18-9-D303.

1. Attach a **narrative description of the facility** to be addressed under this General Permit. The narrative must include a description of the facility and a design of the disposal system and wash operations. Please place a check in the following boxes indicating that you have provided all the following details in the narrative:

- ” Description of the design and construction of the wash pad, including discussion of construction materials used
- ” Demonstration that the wash pad has adequate structural support to support the maximum weight of vehicles or equipment being washed including an appropriate safety factor
- ” Description of the sump or sediment settling structure employed
- ” Details of the design, operation, and maintenance of an oil/water separator designed to reduce oil & grease to 15 ppm or less
- ” Description of how wastewater is conveyed from the wash pad to the disposal unit
- ” Description of wash operations, including inspection and maintenance activities required by R18-9-D303(D)
- ” Description of equipment, and detergents or additives used, and the Best Management Practices in place to minimize the introduction of chemicals not typically associated with wash operations

- ” Location, dimensions, and construction of all impoundments, subsurface disposal system, or other disposal facilities to be addressed under the General Permit
- ” Demonstration that the facility is adequately sized to handle projected maximum flows plus any stormwater run-on, including sufficient freeboard
- ” Provisions for monitoring and recordkeeping consistent with R18-9-D303(E) and (F)

2. Identify below, by type and volume, all wastewater(s) which is, or has been, directed to this disposal system. (Use additional pages if necessary).

List of processes generating the wastewater(s) and a brief description of each	**Expected Average Daily Flow to be discharged**	**Expected Maximum flow per day to be discharged**

3. Does the discharge include:
   a. **Any** lubricating oils, antifreeze, gasoline, paints, varnishes, solvents, pesticides or fertilizer ” yes ” no
   b. **Any** domestic sewage ” yes ” no

c. Wastewater resulting from washing the interior of vehicles that contained fuels or chemicals, or equipment contaminated with fuel products or chemicals ” yes ” no

4. Does the discharge contain wastewater resulting from the washing of vehicle engines ” yes ” no
If Ayes@, is the discharge directed to a lined surface impoundment ” yes

5. If the vehicle/equipment wash is used on a mine site, does the discharge include wastewaters resulting from washing the interior of vehicles that contained mining concentrates ” yes ” no ” N/A- vehicle wash is not at a mine site
If Ayes@, is the discharge directed to a lined surface impoundment ” yes

6. Is the **total** daily average flow to this facility greater than 3,000 gpd ” yes ” no
If Ayes@, is the discharge directed to a lined surface impoundment ” yes

7. Is this General Permit for a **lined** surface impoundment ” yes ” no
If Ayes@, does your narrative address how the conditions of the permit will be satisfied, including:

a. Quality Assurance/Quality Control program for new facilities that addresses subgrade preparation, liner installation, inspection procedures, field testing, laboratory testing, and final construction inspection ” yes ” N/A- not a new facility
b. A plan for impoundment inspection, maintenance, and repair ” yes
c. Information about the liner materials including use of a minimum 30-mil liner (or 60-mil if HDPE materials are used) or other design that will result in a seepage rate of less than 550 gallons/acre per day ” yes
d. Information about the design of the anchor trench when synthetic liner is used ” yes ” N/A- no synthetics used
e. Confirmation that synthetic liner materials are UV resistant ” yes ” N/A- liner not routinely exposed to sunlight or not of synthetic materials
f. If a soil liner is used, is it at least one foot thick and compacted by appropriate ASTM methods to a uniform density of 95% ” yes ” N/A- soil liner is not used
g. If a soil liner is used, did you describe how the liner will be prevented from desiccation ” yes ” N/A- soil liner is not used

h. If there are identified geologic hazards at this site, have you detailed any special design considerations or adjustments due to the identified hazards per R18-9-D301(C)(2) ” yes ” N/A- there are no geologic hazards

8. Is this General Permit for an **unlined** surface impoundment ” yes ” no

If Ayes@, does your narrative address how the conditions of the permit will be satisfied, including:

a. A demonstration that design and installation requirements are consistent with R18-9-D301(C)(1) and (C)(3) ” yes

b. Documentation of a minimum 100' horizontal setback between the disposal area and any water supply well ” yes

c. A demonstration that the bottom of the surface impoundment is 50' or more above the static groundwater level and the intervening material does not contain karst or fractured rock ” yes

9. Is this General Permit for a **subsurface** disposal system ” yes ” no

If Ayes@, does your narrative address how the conditions of the permit will be satisfied, including;

a. Documentation of a minimum 100' horizontal setback between the disposal area and any water supply well ” yes

b. A demonstration that the bottom of the disposal system is 50' or more above the static groundwater level and the intervening material does not contain karst or fractured rock ” yes

c. A demonstration of how the system is designed to prevent surfacing of the wastewater (proper sizing, soil absorption properties, etc.) ” yes